

Abstract of the Disclosure

DIFFERENTIAL CAPACITIVE TORQUE SENSOR

A differential capacitive torque sensor for a continuously rotating shaft such as the
5 steering column of an automobile provides an apertured metal cage shielding a dielectric rotor.
They are respectively mounted on opposite sides of a split shaft connected by a torsion bar. The
relative rotation of the apertured conductive plates and the rotor change the overall differential
capacitance of the system to proportionally indicate clockwise or counter-clockwise torque.

2000/03/06